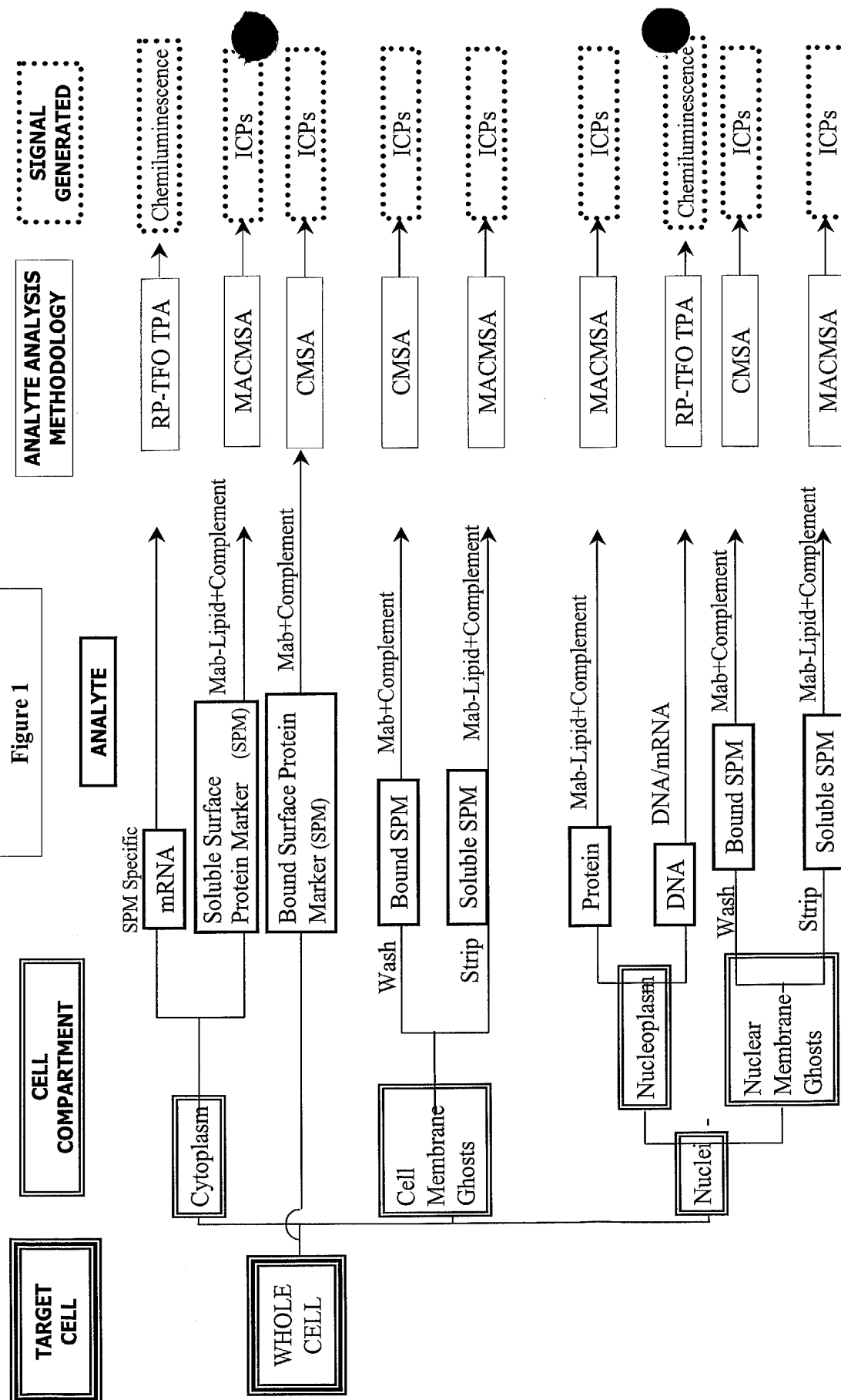
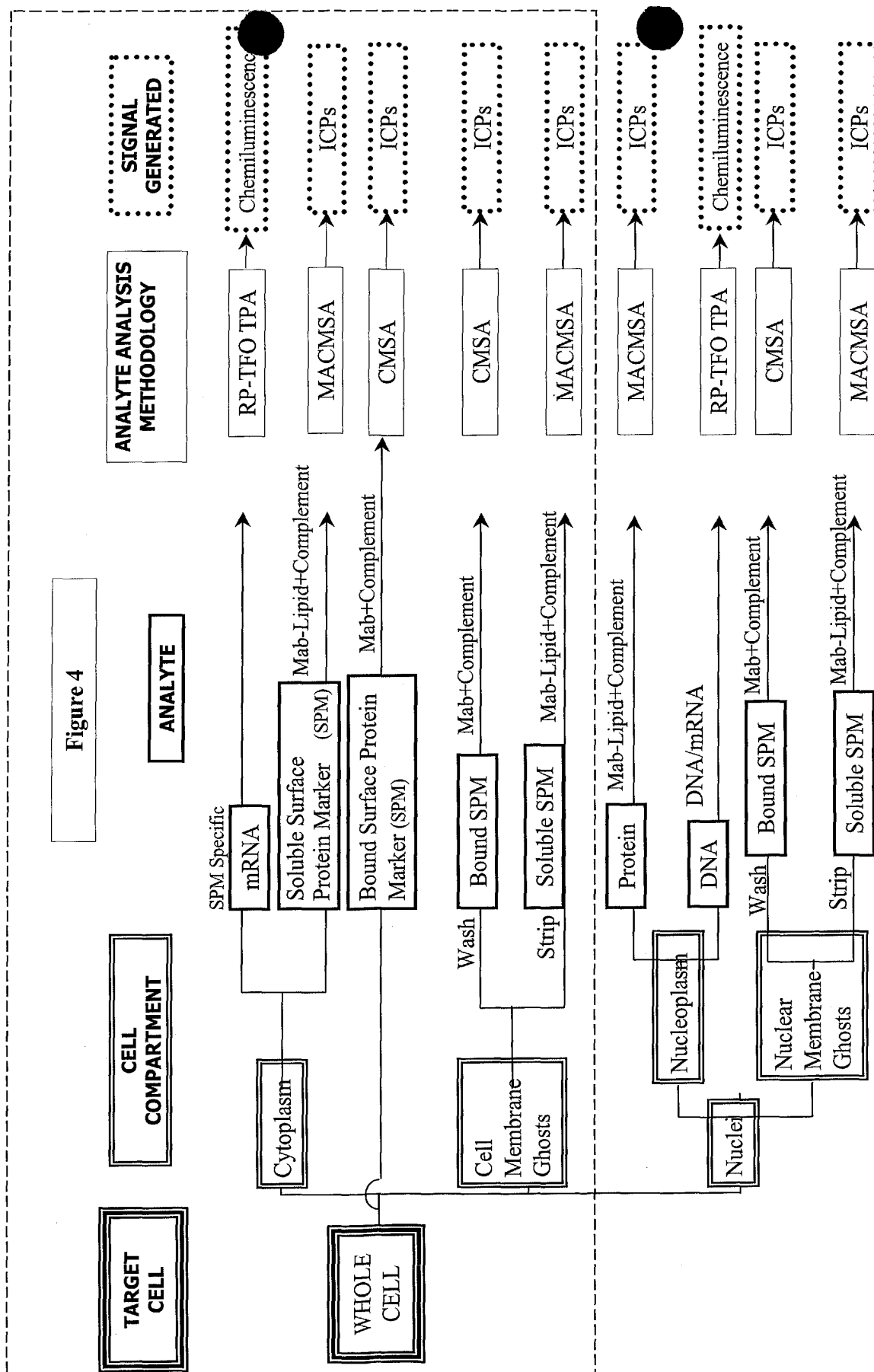


Figure 1





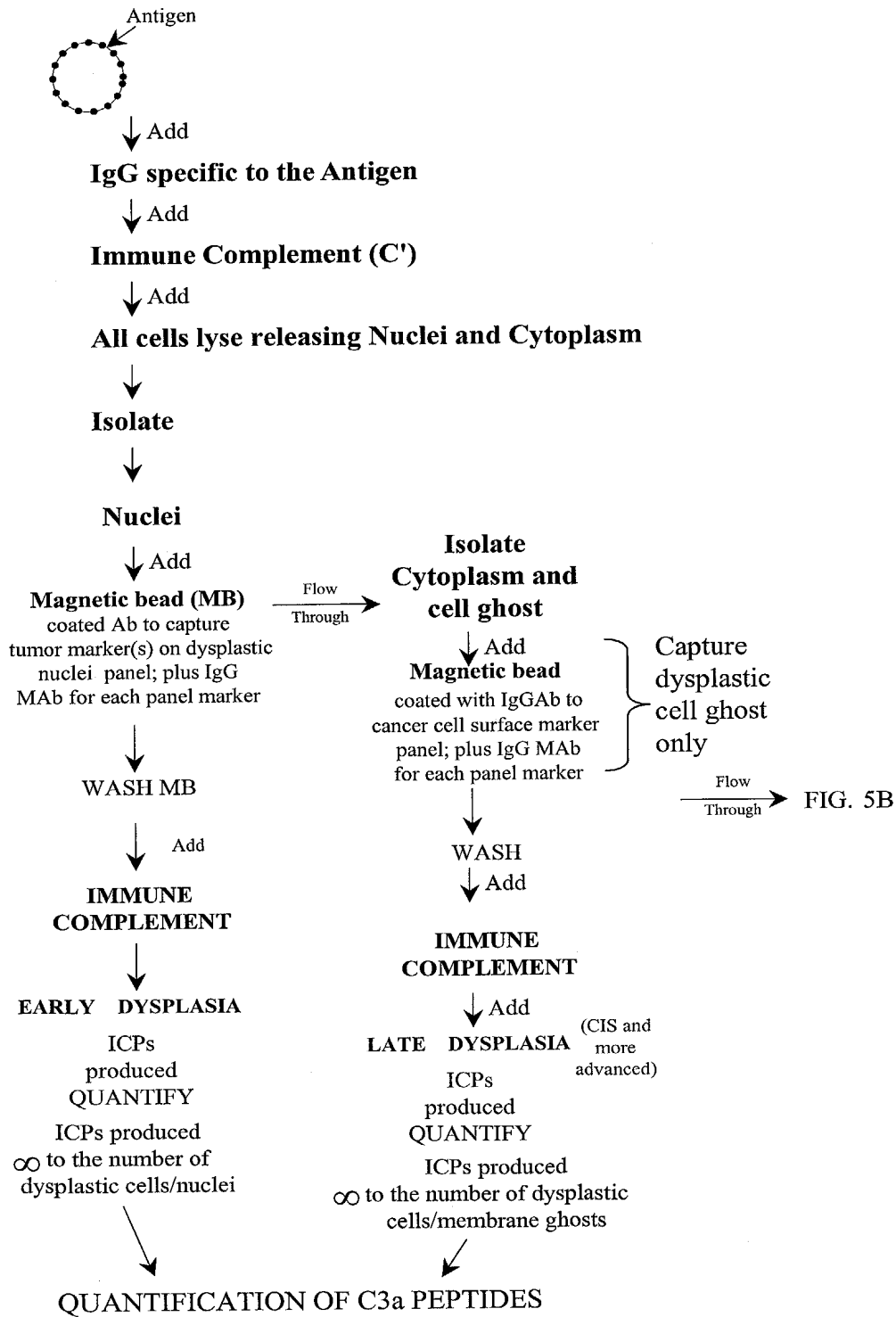


Figure 5A

Collect Cytoplasm

(normal and
dysplastic cells)

↓ Add

Proteinase K
treatment
or SDS / KCL

Protein
denatured
precipitated
and removed

in solution

$\left\{ \begin{array}{l} \text{DNA} \\ \text{RNA} \end{array} \right\} \downarrow$

Perform
DNA RP-TFO
DNA RFTA
mRNA RP-TFO
mRNA RFTA

Capture Target DNA or mRNA on Magnetic Bead

↓ Add

Labeled Reporter Probe

Quantify Signal

Figure 5B

CERVICAL EXFOLIATIVE CELLS ($\sim 5 \times 10^6$)

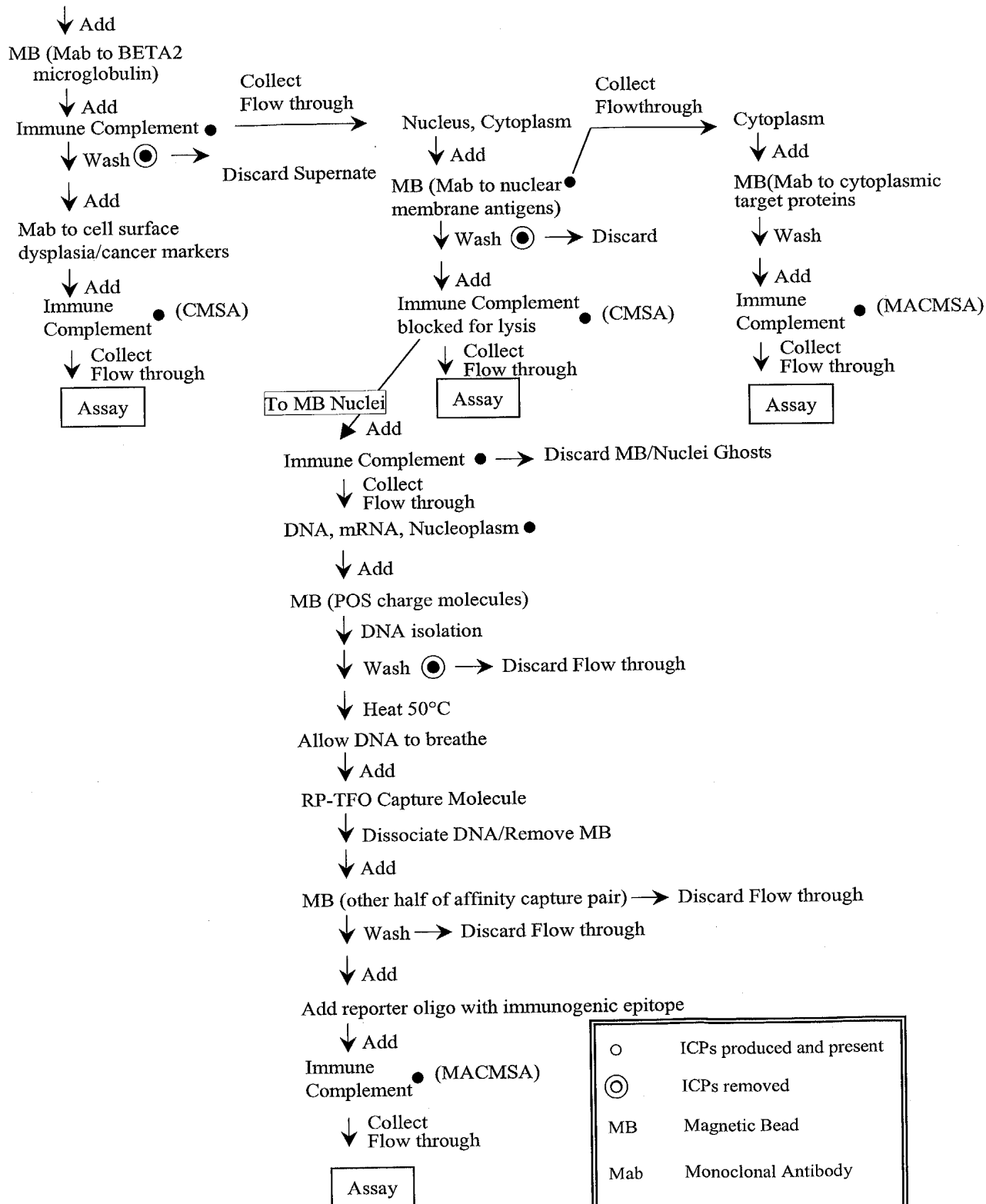


Figure 6